gfm™

User Manual

CDC500C3GF
5MP Digital Camera

Table of contents

Introduction

Overview

Thanks for purchasing this digital camera. Everything you need to take quality photos is included with your camera. Please read this manual carefully first in order to get the most out of your digital camera.

Features

- Digital Video VGA&QVGA.
- 8.0 Mega pixels camera with choice of 5 digital camera resolutions-8M,5M,3M,1.3M,VGA.
- 2.0 inch Color LCD monitor
- 4x digital zoom
- Built-in SDRAM Memory
- SD Memory Card Slot accepts SD/MMC cards.
- Built-in flash
- PhoTags Express software for managing and enhancing your photos, printing, sending photos by e-mails and much more.

Package contents
- Camera
- PhoTags Express CD
- USB cable
- User's manual
- Strap
- Pouch
- AC Adapter
- Li-ion Battery

Computer system requirement for windows
To be able to download photos to your PC you will need the following minimum configuration:
- Pentium processor or above with Windows 98SE / 2000 / XP / Vista
- 64MB RAM, 128MB free disk space or more
- CD-ROM driver
- Recommended screen resolution 1024x768 pixels or greater
- 64K color or higher display adaptor

Getting to know on your camera

Flash light

Self portrait mirror

8MP MAX Pixels
2.0" LTPS Screen
4X DIGITAL Zoom
Li-ion Battery

DIGITAL LENS
f=7.50mm F3.3

Lens

gfm

Battery door

Shutter button

Strap mount

LED light

Play back / Normal button

M (Menu) / Navigation button

Flash / Exit Button

POWER

Power button

SD card slot

LCD

USB jack
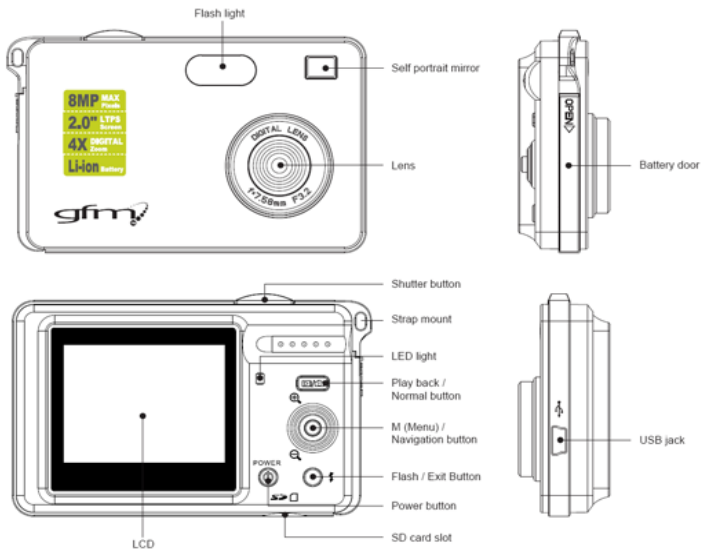
Icons on your LCD

Battery power lever	Mode	Digital Zoom
▬ Full battery power	📷 Camera	⊕ 4.00X Digital zoom
◻ Medium battery power	🎥 Video	⊕ 3.00X Digital zoom
⊠ Low battery power	▶ Playback	⊕ 2.00X Digital zoom
Photo quality	**Date**	
★ Economy	15	
★★ Standard	**Flash**	
★★★ Fine	⚡ Force flash	
Self timer	⚡A Auto falsh	**Protect**
⟳	🚫 No flash	☐
	◑⚡ Reduce red eyes	

Prepare your camera for using

Battery installation

Your camera requires lithium battery (3.7V). Insert the battery into the camera:

1. Slide the cover of the battery compartment open.
2. Please make sure that the correct battery is inserted with the correct polarity facing up.
3. Please refer to the diagram below for the correct insertion method.

4. Close battery door.

Note: 1. When the Low Battery icon is flashing on the LCD screen, you need to charge your battery:

a. Turn off your camera.

b. Connect your camera to the PC correctly.

c. The LED light will be on, it indicate the battery is charged.

d. The battery is full charging when the LED light is off.

   2. If you don't intend to use your camera for an extended period, remove the battery for safety.

Installing SD Memory Card

Your camera has a memory card slot that enables you to insert any SD compatible memory card. Adding a memory card will allow you to take more photos and videos before you have to transfer photos/videos to a PC. Photos and videos stored in this manner will not be lost regardless of any change in battery power.

1. Locate the Memory card slot(on the bottom of the camera) as illustrated below.
2. Insert the memory card into the slot, label side down and metal contacts up.
3. Push the card in until you feel it "click" into position. The top of the card

should be flush with the surface of the camera. A "C" icon will be display on the LCD screen. Indication that an external memory card is installed.
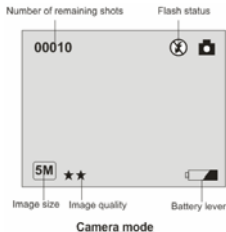
4. Once an external memory card is inserted in the camera all the images taken will be stored on the external memory card.
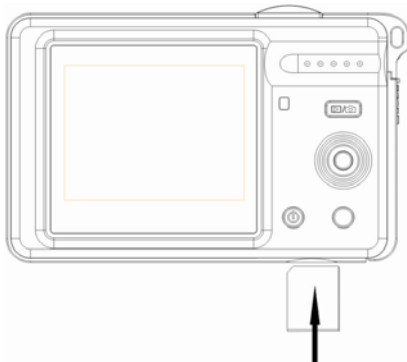
OSD in every mode

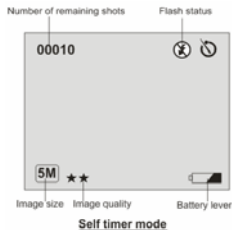There are four modes in your camera: Camera mode, Video mode, Self timer mode and Play back mode.
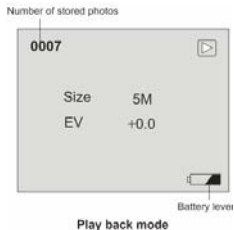
Camera mode:

Camera mode

Video mode:

Video mode

Self timer mode:

Self timer mode

Play back mode:

Play back mode

How to operate your camera

Power on/off

1. Press and hold the Power button to start the camera. The LCD will light up and the camera will sound a beep. It confirms that your camera is on and ready for using.

2. Press and hold the power button about 3 seconds to turn off the camera.

System setting up

Power on your camera, the camera will be in the camera mode, press **M** button to have some individual settings:

A. Capture menu

You can set image size, image quality, white balance and sharpness per your request.

● Image Size

There are 5 resolutions for choosing: **VGA, 1.3M, 3M, 5M, 8M**.

1. Press **M** button.
2. Select "**Size"** by pressing **M** button up/downward.
3. Press **M** button.
4. Press **M** button again to confirm your selection. Or press **Flash/Exit** button to exit the menu without any changing.

- Image quality

You can set quality you want: **Fine, Standard, Economy**.
1. Press **M** button
2. Select "**Quality**" by pressing **M** button up/downward.
3. Press **M** button.
4. Press **M** button up/downward to select: Fine/Standard/Economy. Or press **Flash/Exit** button to exit the menu without any changing.

- EV

This setting allows you to control the brightness of your images.
1. Press **M** button.
2. Select "**EV**" by pressing **M** button up/downward.
3. Press **M** button.
4. Press **M** button up/downward to select your value from **+2** to **-2**.
5. Press **M** button to confirm your selection. Or press **Flash/Exit** button to exit the menu without any changing.

● White Balance

This setting allows the camera to adjust the color of your photos according to the color of your light source.

1. Press **M** button.
2. Select "**White Balance**" by pressing **M** button upward/downward.
3. Press **M** button.
4. Press **M** button up/downward to select:
   Auto/Daylight/Cloudy/Tungsten/Fluorescent.
5. Press **M** button to confirm your selection. Or press **Flash/Exit** button to exit the menu without any changing.

● Sharpness

This setting allows you to adjust the sharpness of your images, making edges more or less distinct.

1. Press **M** button.
2. Select "**Sharpness**" by pressing **M** button up/downward.
3. Press **M** button.
4. Press **M** button up/downward to select: **Hard/Normal/Soft**.
5. Press **M** button to confirm your selection. Or press **Flash/Exit** button to exit the menu without any changing.

***B. Set up** menu*
1. Press **M** button.
2. Press **M** button rightward to select **Set up** menu.

● Light Frequency

Fluorescent light oscillation can affect the quality of your photos. Set the camera for the correct frequency for the country that you are in. your camera has 2 Frequency settings: **60HZ** and **50HZ**.

To change the frequency:
1. Press **M** button downward to select **Light Freq.**
2. Press **M** button.
3. Press **M** button up/downward to select **50/60HZ**.
4. Press **M** button to confirm your selection. Or press **Flash/Exit** button to exit the menu without any changing.

● Date Time

PhoTags Express software makes it possible for you to keep track of the dates of your photos. The date you shot the image is recorded by the camera and will appear automatically on the photo when you download it to your computer using the PhoTags Express software.

The date function can be turned on and off both in camera and PhoTags Express software.

1. Press **M** button downward to select **Date Time**.
2. Press **M** button.
3. Press **M** button up/downward to select: On Photo/Off Photo.
4. Press **M** button to confirm your selection. Or press **Flash/Exit** button to exit the menu without any changing.

In step 3, select the Set Time option to set:

Year/Month/Day/Hour/Minute/Second

1. Press **M** button up/downward to select Year/Month/Day/Hour/Minute/Second.

2. Press **M** button right/leftward to set the value.
3. Press **M** button to confirm. Or press **Flash/Exit** button to exit the menu without any changing.

- Auto Off

The Auto Off is a special battery-saving feature which allows the camera to turn itself off when not in use.

You can choose how long time the LCD screen will remain on while idle before automatically shutting off.

1. Press **M** button up/downward to select **Auto Off**.
2. Press **M** button.
3. Press **M** button up/downward to select: 1Min/2Min/3Min/Off.
4. Press **M** button to confirm. Or press **Flash/Exit** button to exit the menu without any changing.

- TFT State

If you want to save power and keep the camera is on, then you can realize it via this function.

1. Press **M** button up/downward to select **TFT State**.
2. Press **M** button.

3. Press **M** button up/downward to select Clear/Close/Normal.
4. Press **M** button to confirm. Or press **Flash/Exit** button to exit the menu without any changing.

● Beep

You will hear beep sound when you click any button in every mode. You can switch on or off it per your request.

1. Press **M** button up/downward to select **Beep**.
2. Press **M** button.
3. Press **M** button up/downward to select On/Off.
4. Press **M** button to confirm. Or press **Flash/Exit** button exit the menu without any changing.

● Format

This function reformats the memory card and will erase all files in memory including files that have protected.

1. Press **M** button up/downward to select Format.
2. Press **M** button.
3. Press **M** button up/downward to select Cancel/Execute.
4. Press **M** button to confirm. Or press **Flash/Exit** button to exit the menu

Note: Formatting will delete all data in your camera or SD card including protected files, it's decided by the device selected. Please make sure that you want to delete all date in camera or SD card, otherwise once the data is deleted, it cannot be resumed.

- Sys. Reset

You can reset the system value to camera default.
1. Press **M** button up/downward to select Sys. Reset.
2. Press **M** button.
3. Press **M** button up/downward to select Cancel/Execute.
4. Press **M** button to confirm. Or press **Flash/Exit** button to exit the menu without any changing.

Camera Mode
Taking photos
Hold the camera steady and press the **Shutter** button to take photo. There will be a short delay while the camera saves the photo to memory.
After each photo is shot (when the camera returns to icon mode) the numbers of photos left to at this resolution is displayed at the top left of the LCD screen.

When the camera's memory is (photo capacity) is full. The LCD screen will display "MEMORY FULL". If you attempt to take a photo when the memory is full, the camera will beep continuously.

Digital zoom
You can magnify subject up to 4 times using the digital zoom. Press **M** button upward to zoom in the subject up to 4X. Press **M** button downward to zoom out back.

Flash
In low light conditions, it is best to use the built-in flash. You can also use the flash to compensate for back conditions.

To set flash

1. Press **Flash/Exit** button, the ⚡ icon will appear on the LCD screen. This means the flash function has been "forced on" (manual flash). If the flash is not ready, a red LED will light up and the ⚡ icon will flash repeatedly. Wait until the flash is ready before taking a photo. A low battery warning will appear on the LCD screen if there is insufficient battery power to operate the flash.

2. Press **Flash/Exit** button repeatedly, select ⚡A icon appears on the LCD

screen. This will activate the automatic flash.

3. Press **Flash/Exit** button repeatedly, select ⟐⚡ icon appear on the LCD screen. This will activate the reduction red eyes function.

4. Press **Flash/Exit** button repeatedly until the ⓕ icon appears. This will turn off the flash function.

Self-timer

You can include yourself in a photo by using this feature to delay the time between your pressing the Shutter and when the photo is actually taken.

1. Press the **M** button leftward repeatedly to exchange Self-timer and

   Camera mode. The icon ⟳ will appear on the LCD screen.

2. Press Shutter button to start a 10 second count down (the count down will appear on the LCD). After 10 seconds, a photo is taken.

Video Mode

Press **M** button rightward repeatedly to exchange Video and Camera mode.

The icon 🎥 will appear on the LCD screen.

You can take VGA/QVGA pixels digital video clips with your camera. Without

an SD memory card, the limited internal memory in your camera is provided for test the video limited.

The maximum available recording time is displayed on the top left of the LCD screen.

1. Press the Shutter button to start recording. Elapsed recording time will be displayed on the top left of the LCD screen.
2. To stop/save recording, press the Shutter button again.

Note: 1. The video will be saved in AVI (Audio Video Interleave) format and can be played by either with Windows Media Player or Apple Quick Time. Shooting time varies depending on the available space in your camera's memory.
2. For the other functions in Video mode, please refer to relevant option in System setting up.

Playback Mode

Press **Playback/Normal** button to Playback mode. The icon ▶ will appear on the LCD screen. You can review the photos and videos you have recorded. In playback mode

Press **M** button: You can Erase, Protect, Thumbnail view and Rotate your photos and you can protect and delete video clips in playback mode.

Erase

1. Press **M** button up/downward to select **Erase**.
2. Press **M** button.
3. Press **M** button up/downward to select:
   Delete this: to delete current photo.
   Delete all: to delete all unprotected photos.
4. Press **M** button to confirm. Or press **Flash/Exit** button to exit the menu without any changing.

Protect

1. Press **M** button up/downward to select **Protect**.
2. Press **M** button.
3. Press **M** button up/downward to select:
   This: protect current photo you are viewing.
   All: protect all photos in the memory.
4. Press **M** button and select:
   Set: to execute protection function.
   Cancel: exit without change.
5. Press **M** button to confirm. Or press **Flash/Exit** button to exit the menu without any changing.

Note: 1. When you protect the photo, a 🔒 icon will appear on the left
bottom of the LCD screen.
2. You can not delete protect photos except format or unprotect.

Thumbnail
1. Press **M** button up/downward to select **Thumbnail**.
2. Press **M** button to view all files in thumbnail mode.
3. Press **M** button return to full screen display.

You can also realize this function by pressing **Flash/Exit** button:
1. Press **Flash/Exit** button once to turn off the icons on the LCD screen.
2. Press **Flash/Exit** button twice to Thumbnail display mode.
3. Press **Flash/Exit** button three times to normal full screen display.

Note: you can not manipulate files from the Thumbnails view.

Single Image Display
1. Press Flash/Exit button until you see the full screen display if you are not in the mode.
2. Press **M** button right/leftward to browse the files in your camera.

Rotate

1. Press **M** button up/downward to select **Rotation.**
2. Press **M** button.
3. Press **M** button up/downward to select the degrees you want to rotate.
4. Press **M** button to confirm. Or press **Flash/Exit** button to exit the menu without any changing.

For Setup in Playback mode, please refer to Setup menu in **System setting up**.

Software installation

NOTE: Make sure that your camera is **not** connected to the computer.
Insert software CD to your computer. After a few seconds, there will be shown an installing main window on the screen.
You can "**Install AP**", "**Browse CD**", "**Exit**", in this installing main window.
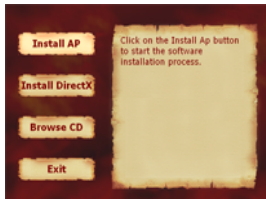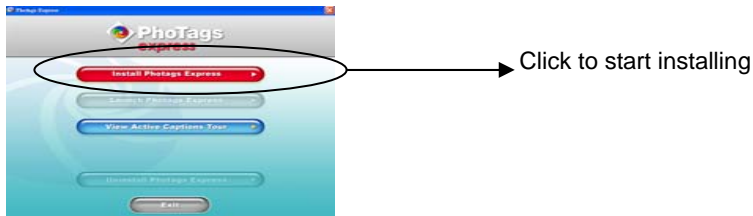

Install PhoTags Express

Click on the "**Install AP**" to start installing process. The language window will be shown on the screen and you can choose the language you want to use.

Choose your language
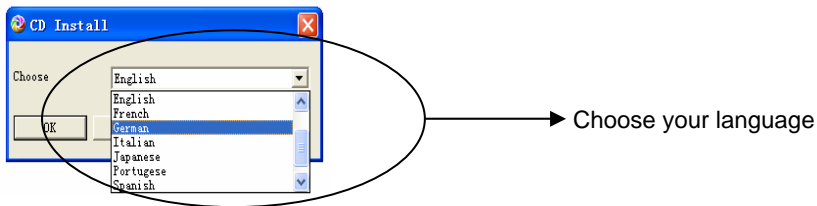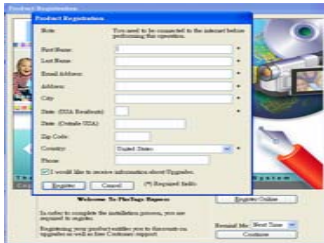
And then the installer window will be shown as below.

Click to start installing

After you click "**Install PhoTags Express**" button, there will be showing some windows that help you to finish the installing. You are only required to follow the description and click the buttons that it's defaulted by the software.

26

Register online

Click "**Register online**" button to have a registration. Or you can directly click "**Continue**" for registration next time.

After this step, the main window will appear on the screen.

Browse CD

Click "**Browse CD"** on the main window, you can see what is included in the CD.

Every thing you need to get the most from your photos

1. Select photos

Select the photos that you download from your camera. And edit it in the software.

2. Edit photos

Click the "**Enhance photos**", "**Add captions**" from the main window to edit your ideal photos.

3. Share photos

Share your photos via "**E-mail**", "**Printing**", and "**Create HTML web**" to uploading online.

4. Workshop

Create "**Calendars**", two sides

"**Greeting cards**" and "**Postcards**" on standard photo paper. You can

purchase "**Album**" and "**Video CD**". Two additional workshop project online at any time and create Photo Album and slide shows on CD that can be viewed on your PC and VCD for viewing on your TV using your DVD player.

Downloading photos

Turn on your camera, Change your camera mode to Playback and connect your camera to the computer correctly with USB cable, the screen will be shown a window (**Removable Disk H:**) as below:

NOTE: Now you can copy the photos to your computer with two method as below:

Download photos directly from windows
Choose "**copy pictures to a folder on my computer**" on the **Removable Disk (H:)** window.　After you click "**OK**", there will be shown some windows on

the screen step by step, you are only required to follow the description and click the buttons that are defaulted by the system to finish transferring.

Or you can:

1. Click on the START button in Windows.
2. Click on the MY COMPUTER Icon on the desktop.
3. Your memory card will appear as a REMOVABLE STORAGE DEVICE.
4. Click on the REMOVABLE STORAGE DEVICE to view the images. The images are stored in the subfolder called DCM100.
5. You can now copy and paste the images to any directory you choose.

Download photos using PhoTags Express

a. Double click the PhoTags Express icon ![icon] on the desktop to launch the application.
b. Click the "**Get Photos**" button on the main window.
c. The "**Get Photos**" wizard mode will appear on the screen, you can select "**custom copy**" to download photos with your individuation. Or you can select "**Express**" option to download all photos to the computer without the option of selecting photos. In this mode you will

not see a preview of the photos transferred.

Custom copy
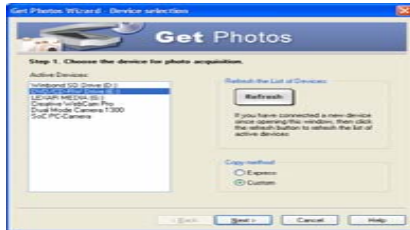
This mode is used to manually select the photos you wish to copy to your computer.

The "**Device selection**" mode will appear. Both your camera and the memory card will each appear in the "**Active Devices**" list

Select "**Custom copy**" click "**Next**" to continue.
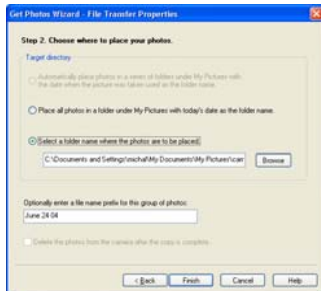
Note: At this moment, you can select "**Express**" option to copy all photos to your computer
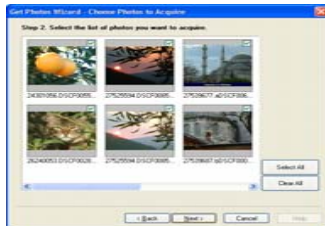
Select your photos click "**Next**" to continue.

Add active captions to the picture. With this feature you can add a date, keywords and categories. Click "**Next**" to continue.

Choose a position where you want to place the photos. Click "**Finish**" to copy the photos to the location you selected.

Note:

All of the picture you imported will appear in the "**Select Photos**" main window.   And now, you can edit your photos per your idea, and then download it to your computer. For how to edit the photos, you can refer to the Quick Start guide in the PhoTags Express.

Owner manual for PhoTags Express

You can edit, printing, sharing photos with PhoTags Express. You can operate it as following step to know how to use PhoTags Express:

1. Launch the PhoTags Express.
2. Click "**tour**" button on the main window to view how to use the photags Express in detail.

Click here

Attention：

   If PhoTags Express can not upgrade the DirectX automatically, you can manually install the DirectX in the CD before using the

Camera, otherwise ,if the edition of DirectX in the windows operation is less than 8.1,then the AVI file can not be played.

Specifications

・Image Sensor	5.0 Mega Pixels CMOS Sensor
・Image Resolution	Digital Camera:3532x2304pixels (8MP Interpolation), 2592X1944pixels(5M), 2048X1536 pixels(3M), 1280x1024pixels(1.3M) , 640X480 pixels(VGA) Video: 640*480(VGA),320*240pixels(QVGA)
・LCD Display	2.0 Inch LTPS TFT
・Internal Memory	Internal SDRAM (16MB) for buffer **Standard quality:** 15pcs (8M), 22pcs(5M), 30pcs (3M), 58pcs (1.3M), 153pcs (VGA) **Fine quality:** 12pcs (8M), 17pcs (5M), 24pcs (3M), 45pcs(1.3M), 123pcs (VGA) **Economy quality:** 20pcs (8M), 26pcs (5M), 36pcs (3M), 68pcs (1.3M), 181pcs (VGA)
・External Memory	SD/MMC card
・Lens	f=7.58mm, F3.2
・Zoom	4X Digital Zoom
・Optical Viewfinder	N/A
・Exposure	-2.0EV ~ +2.0EV
・White Balance	Sunny, Cloudy, Tungsten, Fluorescent
・Self-timer	10s
・File Format	JPEG/AVI(No audio)

37

・Flash	Build-in Auto /Force/ Red eye reduce /Off
・Interface	USB 1.1
・TV out	N/A
・Microphone	N/A
・System Requirements	Windows 98 SE/ 2000/ XP/ Vista
・Accessories	USB Cable, Software CD, User's manual, Gallus, hop-pocket
・Battery	Li-ion Rechargeable
・Working Temperature	0-40 ℃

GFM Guarantee

If you are not totally satisfied with this GFM product, you may return it to any Meijer store for a full refund within 6 months (180 days) of purchase when accompanied by a receipt.

For customer support, please call (866) 845-9436 or go to www.gfmproducts.com.

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Grand Rapids, MI 49544
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